FIG. 1

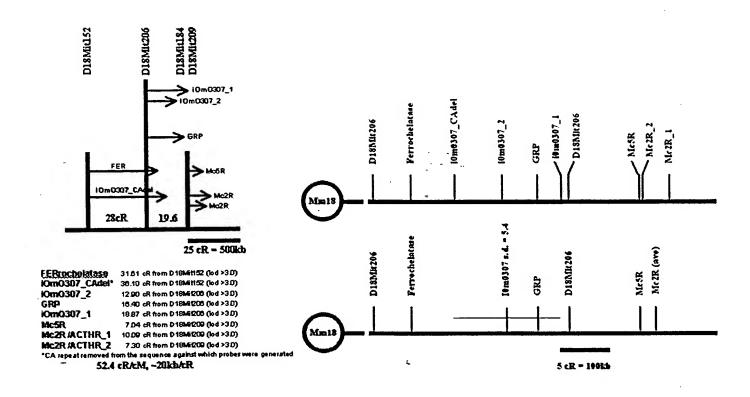


FIG. 2

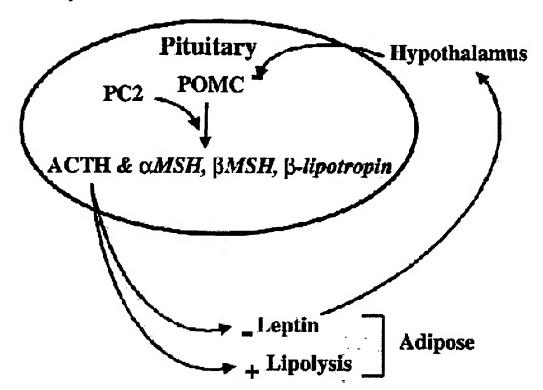


FIG.3

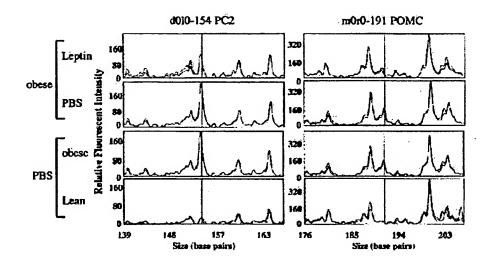
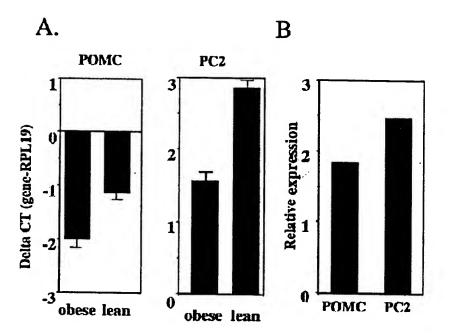


FIG. 4





Six-Frame Translation Analysis of 1.02b_i0m0307FLS_REVCOMP

(Linear) MAP of: /opt/curagen/curatools/sessions/dlewin/projects/default/S/1.02b_i0m0307FLS_REVCOMP/gcg_orf_map/4099

1.02b_10m0307FLS_REVCOMP

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TTCCCTCCCGGGTCAGCGTTTTGTAAATAACGTCATATAACGAATGTTTCAATGTGTCAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATAATATTAGTAAGATTACACTCAATAAATGATAATCATCAACAAATAAAGAAGGAAACG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CTAATTTACAAGTTACACTTTATCATAAGCATAAATGAATACAGAAAAAACAGGACACACA
aagggagggcccagtcgcaaaacatttattgcagtatattgcttacaaagttacacagta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TATTATAATCATTCTAATGTGAGTTATTTACTATTAGTAGTTGTTTATTTCTTCCTTTGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GATTAAATGTTCAATGTGAAATAGTATTTCGTATTTACTTTATGTCTTTTTGTCCTGTGTGT
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ŧ	240	1 240) 	300	1 1 1 8		360	1 1 1 8) } } ! ! !	420	1115) 1
H I + I N C K I M L M F S Y L F V P C V	SGCTGATAGTCTGCAGCTTC	G A D S L Q L P P S I H G G L L R C T R G L I V C S F H H P S M G D S * D V P G G * * S A A S T I H P W G T P E M Y P V	181 LPQYDAAEVMWGHPVGSIYG PSITYGPPSITQLKWWGDMPSEQSTGPPASLHVR	TGTAGAGTAAGAGGAGCGCTCTAGCTTCCTAGGGATGCTCTAACAAAATACTACAACTAA 241++++++	CRVRGAL*LPRDALTKYYN* VE*EERSSFLGML*QNTTTK *SKRSALAS*GCSNKILQLS	L L I S C S C F V V V V F Y * L	GIGGCTCAAAACAACAGAAAIGTCTGTCTGTCTCACACTGCTGGCAGCCAGATGTCGTGT 301+++++	VAQNNRNVCLSHTAGSQMSC WLKTTEMSVCLTLLAARCRV GSKQQKCLSVSHCWQPDVVC	Q C G S T T S A A L H R C P L W I D	GTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	V C V C V C V C V C V C V D L L * S C V C V C V * I F S R A V C V C V C V R S S L E L	361
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THTHTRHTCACACTTCCCGAAGTGTTTGGTCCTTCCTGAGATGGAAGATGGAAGATGGAAGATGGAAGATGGAAGATGGAAGATGGAAGATGGAAGATTTGGTCCTTCCT	K * A S H S F P K C L V L P E M E D G - N R L L T A S R S V W S F L R W K M V - F L S R V A E R L T Q D K R L H F I - F Y A E * L K G F H K T R G S I S S P - L I P K E C S G S T N P G E Q S P L H	TTGGTCATCTTCATTCAGTGTCTGCATTTCATCGCCCCTCTGTGTGTG	S S S F S V C I S S P L C V C L F L Q - H L H S V S A F H R P S V C V S F Y K	AGGACACTGTGGGTCATTCACCTGGGGCCTCCTTACCTCAGTGACCTCAATGACCTTGGA ++++++	H C G S F T W G L L T S V T S M T L E - T V G H S P G A S L P Q * P Q * P W K - 1	aatcattctctctaaaaagacaacattggaggtacggggactactatagcatgttatag 	ISL * K D N T W R Y G D Y Y S M L * - I L S K K T T L G G T G T T I A C Y R - F S L K R Q H L E V R G L L * H V I E
T H T H TCTAAAATAGGC	H	TTGGTCATCTTC AACCAGTAGAAC	T S T S X X X X X X X X X X X X X X X X	AGGACACTGTG(3 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	AATCATTCTCT + TTAGTAAGAGA	N I N I N I N I N I N I N I N I N I N I
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TITCGATACAGTGCACTGAAAGCACTCTTATTGTCGCAATATTTGGAGTACTCGAAGTTC	KAMSRDFRENNSVINLMSFK- KLCHVTFVRITAL*TS*ASR- SYVT*LS*E*QRYKPHELQD-	SL * TVHSEHSYCR * LG * SS * FSH * TVKTLIVANYVEHAELFAIDRSKRSFLLTIFRMLKL	ACTTAGATTATGATACCTGTACTACATTAGGTAACTGCTTAACGTTAAAGTGTCAGCTGA 1++ 780 TGAATCTAATACTATGGCATGATGTAATCCATTGACGAATTGCAATTTCACAGTCGACT	T * I M I P V L H * V T A * R * S V S * - L R L * Y L Y Y I R * L L N V K V S A E - L D Y D T C T T L G N C L T L K C O L R -	S K S * S V Q V V N P L Q K V N F H * S S L N H Y R Y * M L Y S S L T L T D A S V * I I I G T S C * T V A * R * L T L Q	GGCACCTTAAAGGGTTACAGTGTATCTGAGCAAACACCCAGTTGTTGCTGGGCAGCTCCAA 1++ 840 CCGTGGAATTTCCCAATGTCACATAGACTCGTTTGTGGTCAACAACGACCCGTCGAGGTT	GTLKGYSVSEQTPVVAGQLQ - AP*RVTVYLSKHQLLLGSSN - HLKGLQCI*ANTSCCWAAPT-	LCRLPNCHIQAFVLQQQAAG AG*LTVTYRLLCWNNSPLEL PVKFP*LTDSCVGTTAPCSW	CCCCTGTGTGGCCCAGGCACTTCAGGTGGGAACTAACTCATTAGGGAGGCATAAACGCCA 1++++ 900 GGGACACACCGGGTCCGTGAAGTCCACCCTTGATTGAGTAATCCCTCCGTATTTGCGGT	PLCGPGTSGGN*LIREA*TP-PCVAQALQVGTNSLGRHKRQ-PVWPRHFRWELTH*GGINAK-900	VGTHGLCKLHSSV**PPMFA GQTAWAS*TPVLENPLCLRW-
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ATE WITH OTO FITH ATE IT ATE FITH	CCAACGTGATTGGTTACAGCT CGGTTGCACTAACCAATGTCGA Q R D W L Q L A N V I G Y S S P T * L V T A G V H N T V A A L T I P * L L W R S Q N C S CCTAGTTATATAAAATTTTGGC	PSYIKILDAAMDWL LVI*NFGCHGLV EVI*NFGCHGLV GL*IFNQSGHIPGN TATACAAATTTAAAGTAGTGTATAT	Y K S I * S S L Y H I Q I Y L K * F I S B I Q I Y L K * F I S B I C I * K F Y N I D Y V F R N L T T * I N I Y L D I * L K Y * AAAAACTTTTTGTTTTCAAATCAAAGGTTTCC	KLFCFQIMQS*G NFFVFKSCKAKV KTFLFSNHAKLR FVKKNEF*AFSL FVKKNEF*AFSL

FFSKOK * IMCL * P * TPSLGH -	CTGTGTGCCTTTTTATGCTTTTGGTCTGGTCTCCATTTTAATACTTTAACACTATGGTCA 1141+++ 1200 GACACACGGAAAATACGAAACCCAGACCAGAGGTAAAATTATGAAATTGTGATACCAGT	C C A F L C F G S G L H F N T L T L W S - C V P F Y A L G L V S I L I L * H Y G Q - V C L F M L W V W S P F * Y F N T M V S -	THRKISQTQDGN*YKLVIT 2000 GN * YKLVIT 200	GTTACTGATACAGAAAATCCAAGCCAAGATAA (SEQUDNO: 20)	V T D T E N Q I Q A K I - (SEWIDNO: 23) L L I Q K I K S K P R * - (SEQIDNO: 23) Y * Y R K S N P S Q D - (SEQIDNO: 94)	L * Q Y L F D F G L W S L - (SEQIDNO: 24) N S I C F I L D L G L Y - (SEQIDNO: 24) T V S V S F * I W A L I - (SEGIDNO: 37)
S M	CCTT	F F F F	A A A	ATAC!	от Н 2 4 1	, H K
fr.	3TG	ຈ ູ້ ບ	# ₋	PTG/	_ ຊີ, *	ດດິ
E4	CTGTC	30>	S F	STTAC	K I Y	* Z
44	1141		1411 G G	1201	4 Q U	

Import | all sequences checked below:

Note: Stops (*) and ambiguous amino acids (?) are replaced with an X in the importable sequence

[Frame A (frame 1) translation: KGGPSIQAKI	[]Frame B (frame 2) translation: REGPVSKPRX	☐Frame C (frame 3) translation: GRAQSNPSQD	[]Frame D (frame 4) translation: LSWLGDWALP	[Frame E (frame 5) translation: YLGLDTGPSL	[]Frame F (frame 6) translation: ILAWIRLGPP
translatio	translatio	translatio	translatio	translatio	translatio
1)	5	3	4)	2)	9
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Frame	Frame	Frame	Frame	∐ Frame	□ Frame